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First Semester B.Sc. Degree Examination, June 2022

First Degree Programme under CBCSS

Zoology

Core Course I

ZO 1141 : ANIMAL DIVERSITY - I

(2020 Admission Onwards)

Time : 3 Hours Max. Marks : 80

I. Answer **all** questions in **one** or **two** sentences. **Each** question carries **1** mark.

1. Define Taxonomy.
2. Who proposed five kingdom classification.
3. What is bilateral symmetry?
4. Write short note on Bar coding.
5. Comment on single access key.
6. Name the disease caused by Trypanosoma.
7. What is pearl?
8. Write the function of somatoderm in mesozoans.
9. Give a short note on nauplius.
10. Explain ICZN.

(10 × 1 = 10 Marks)

P.T.O.

II. Answer any **eight** questions in **one** or **two** sentences. **Each** question carries **2** marks and answers should not exceed **one** paragraph.

11. Write on Aristotle's lantern.

12. Give an account on dentalium.

13. Why is the Linnaean System Important?

14. Write any four general characteristics of the Phylum Coelenterate.

15. What are acoelomate animals?

16. Define polymorphism.

17. Briefly mention ascariasis.

18. Name any two pests of Paddy and coconut.

19. Write any four species of plasmodium.

20. What is conjugation in paramecium?

21. Briefly explain the structure of Actinophrys.

22. Write the functions of choanocytes.

23. Mention *Caenorhabditis elegans*.

24. What is hirudin?

25. Give a note on petasma.

26. What are deuterostomes?

(8 × 2 = 16 Marks)

III.

27.

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IV.

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40.

III. Answer any **six** questions, not exceeding **120** words. **Each** question carries **4** marks.

27. Write on binomial nomenclature.

28. Explain the function of contractile vacuole in paramecium.

29. List the salient features of metazoa.

30. Write a note on the class Calcispongia with one example.

31. What are the annelidan affinities shown by Peripatus?

32. Mention the structure of physalia.

33. Sketch and label mouth parts of mosquito.

34. Briefly describe the life history of Ancylostoma.

35. Explain the morphology of Perna.

36. Write an account on the mechanism of digestion in prawn.

37. List any eight salient features of Phylum Platyheminthes.

38. Comment of Aristotle's lantern.

(6 × 4 = 24 Marks)

IV. Answer any **two** questions. **Each** question carries **15** marks.

39. Briefly describe the canal system in sponges.

40. Comment on parasitic protozoa with special reference to Entamoeba histolytica:

41. Explain the basics of Animal classification.

42. Elaborate on conjugation exhibited by Paramecium.

43. Explain the salient features of Arthropoda. Classify Phylum Arthropda up to classes citing examples for each class.

44. Write an essay on larval forms of prawn.

(2 × 15 = 30 Marks)
